

Today's Topics:

Building A (Very) Low Cost Repeater
callsign database????
Cellular Telephone Info Needed (2 msgs)
interested in opinions
PL259 Assembly
PL259 connector assembly
pro-2005 - mods?
Voice of America Scheduled Broadcasts -- Addendum

Date: 25 Oct 89 00:12:20 GMT

From: cica!ctrsol!uakari.primate.wisc.edu!uwm.edu!ux1.cso.uiuc.edu!

ux1.cso.uiuc.edu!phil@tut.cis.ohio-state.edu

Subject: Building A (Very) Low Cost Repeater

Given the (still) low number of dual band radios out there in people's hands so far, a cross-band portable repeater won't serve too many people very well just yet. The idea of linking them and spacing them apart (though I think a 1/4 mile is overkill) seems like a workable solution. This is something I have been planning to do as well. That way you can input and output a standard in-band repeater split on 144, 220, or 440 Mhz. You will of course need a total of 4 HT's or other radio's to pull this off. That's getting to be fairly expensive. The new dual-band Icom IC-32AT (and maybe others) does have a builtin crossband repeater function that could be used as TWO of the radios. Two crossbanders could be used to set up the in-band repeater.

--Phil Howard, KA9WGN--

<phil@ux1.cso.uiuc.edu>

Date: 24 Oct 89 22:00:18 GMT

From: washer@lll-winken.llnl.gov (Jim Washer)

Subject: callsign database????

Is there a database out there that might have call signs posted, BEFORE such callsigns arrive in the mail from the FCC??? If so how do I access such a database?

Thanks in advance.

James Washer
North West Software.
(415)887-9613

p.s. YES, I know that I can't use the call sign until the paperwork arrives,
but i can get QSL's printed, etc.

Date: 24 Oct 89 19:10:32 GMT
From: psuvm!auvm!redelman@psuvax1.cs.psu.edu (Richard B. Edelman)
Subject: Cellular Telephone Info Needed

Can anyone recommend a good technical book on how the cellular
telephone network operates?

73,
Richard Edelman, KH6RE

REDELMAN@AUVM.BITNET

Date: 24 Oct 89 19:31:52 GMT
From: psuvm!auvm!redelman@psuvax1.cs.psu.edu (Richard B. Edelman)
Subject: Cellular Telephone Info Needed

Can anyone recommend a good technical book on how the cellular telephone
network operates?

73,
Richard Edelman, KH6RE

REDELMAN@AUVM.BITNET

Date: 25 Oct 89 00:20:54 GMT
From: microsoft!garthh@uunet.uu.net (Garth Hitchens)
Subject: interested in opinions

I am considering purchase of a ten-tech Triton IV solid state tranceiver.

Does anyone have any experience with ten-tec tranceivers in general, or
with this model?

Also, what should I be paying for this?

I am familiar with the japanese lines, but not with ten-tec. I understand
they have a following. Why?

Thanks,

garthh@microsoft.com

Date: 24 Oct 89 17:36:45 GMT
From: att!cbnewsd!jmseb@ucbvax.Berkeley.EDU (john.m.sebeson)
Subject: PL259 Assembly

Having read several postings on pl259 assembly, let me offer one little trick I have used. This is for attaching the connector to the large diameter coax, RG8 or RG213. For a good connection to the braid, it is essential that the braid be tinned with solder. First remove a length of the outer jacket per dimensions given in the ARRL Handbook (chapter on construction practices) to expose the braid. Tin the braid thoroughly with a hot soldering iron (the inner dielectric will soften up during the process). Let it cool off.

The trick: you will now have a fairly solid cylinder of solder. This needs to be trimmed down to the length given in the Handbook (follow those dimensions exactly!) I use a small adjustable pipe cutter, found in any hardware store. Carefully tighten while turning the cutter, and presto, a perfectly dimensioned length of tinned braid (actually a solder cylinder). Now remove the correct amount of dielectric, tin the inner conductor, and screw on the connector body. You will see the tinned portion appear in the small solder holes. Heat the connector body with a hot soldering iron and solder thru the holes. Of course, also solder the inner conductor.

I have used this technique with perfect results on dozens of connectors, the oldest of which have lasted ten years.

~~~~~  
John Sebeson  
KB8RY  
Naperville, IL

~~~~~  

Date: 24 Oct 89 16:18:01 GMT
From: mtxinu!sybase!phobos!forrest@ucbvax.Berkeley.EDU (Jon Forrest)
Subject: PL259 connector assembly

My problem with soldering PL259 connectors is that I'm paranoid about overheating the connector, causing the dielectric inside the coax to melt resulting in a short of the center and outer conductors.

What wattage soldering irons work the best for this? Soldering through those 4 holes is also something that worries me because to do it right requires a lot of heat. Heat can be both my friend and my enemy when soldering PL259 connectors.

Anything you read here is my opinion and in no way represents Sybase, Inc.

Jon Forrest WB6EDM
forrest@sybase.com
{pacbell,sun,{uunet,ucbvax}!mtxinu}!sybase!forrest
415-596-3422

Date: 24 Oct 89 17:01:10 GMT
From: datapg!com50!kksys!gk@uunet.uu.net (Greg Kemnitz)
Subject: pro-2005 - mods?

Does anyone know if the Radio Shack PRO-2005 can be modified to cover the missing frequencies in the 800-900 mhz range??

--

Greg Kemnitz / K and K Systems / PO Box 41804 / Plymouth, MN 55441-0804
Domain: gk@kksys.mn.org / UUCP: ...!{amdahl,hpda}!bungia!kksys!gk
Voice: +1 612 475 1527 / Fax: +1 612 475 1979 - touch '1' at second ring

Date: 24 Oct 89 22:53:50 GMT
From: voa3!eab@uunet.uu.net (Al Brown)
Subject: Voice of America Scheduled Broadcasts -- Addendum

As noted by Ed Schwalenberg, I failed to include a transmitter site.

The transmitter code 'RHO' stands for Rhodes, Greece.

My apologies to all and thanks to Ed.

73.

--

E. Allen (A1) Brown VOA/BBC
...uunet!voa3!eab WA3FYZ/ZF2LY
Chief, Operations Branch
Computer Services Division

Voice of America
Cohen Building, Room G-748
Washington, DC 20547
+1 202 485 7021

End of INFO-HAMS Digest V89 Issue #800
